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January 30, 2018

VIA ELECTRONIC FILING

The Honorable Jocelyn G. Boyd
Chief Clerk/Administrator
Public Service Commission of South Carolina
101 Executive Center Drive, Suite 100
Columbia, South Carolina 29210

Re: **Duke Energy Progress, LLC – Monthly Power Plant Performance Report**
Docket No. 2006-224-E

Dear Ms. Boyd:

Pursuant to the Commission's Orders in Docket No. 1977-354-E, enclosed for filing is the Monthly Power Plant Performance Report in Docket No. 2006-224-E for the month of December 2017.

Should you have any questions regarding this matter, please do not hesitate to contact me at 803.988.7130.

Sincerely,

Rebecca J. Dulin

Enclosure

cc: Ms. Dawn Hipp, Office of Regulatory Staff
Mr. Jeffrey M. Nelson, Office of Regulatory Staff
Ms. Shannon Bowyer Hudson, Office of Regulatory Staff
Ms. Nanette Edwards, Office of Regulatory Staff
Michael Seaman-Huynh, Office of Regulatory Staff
Ms. Heather Shirley Smith, Duke Energy
Mr. Scott Elliott, Elliott & Elliott, P.A.
Mr. Garrett Stone, Brickfield, Burchette, Ritts & Stone, PC
Mr. Gary Walsh, Walsh Consulting, LLC

Duke Energy Progress
Base Load Power Plant Performance Review Plan

Period: December, 2017

Station	Unit	Date of Outage	Duration of Outage	Scheduled / Unscheduled	Cause of Outage	Reason Outage Occurred	Remedial Action Taken
Brunswick	1	None					
	2	None					
Harris	1	None					
Robinson	2	None					

Duke Energy Progress
Base Load Power Plant
Performance Review Plan
December 2017

Lee Energy Complex

No Outages at Baseload Units During the Month.

Richmond County Station

No Outages at Baseload Units During the Month.

Sutton Energy Complex

No Outages at Baseload Units During the Month.

Notes:

- Effective January 2017, a change in capacity rating methodology could impact performance trending against historical results reported prior to January 2017.
- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Base Load Power Plant Performance Review Plan

December 2017
Brunswick Nuclear Station

	Unit 1		Unit 2	
(A) MDC (mW)	938		932	
(B) Period Hours	744		744	
(C) Net Gen (mWh) and Capacity Factor (%)	693,105	99.32	693,652	100.04
(D) Net mWh Not Gen due to Full Schedule Outages	0	0.00	0	0.00
* (E) Net mWh Not Gen due to Partial Scheduled Outages	8,380	1.20	4,141	0.60
(F) Net mWh Not Gen due to Full Forced Outages	0	0.00	0	0.00
* (G) Net mWh Not Gen due to Partial Forced Outages	-3,613	-0.52	-4,385	-0.64
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00	0	0.00
* (I) Core Conservation	0	0.00	0	0.00
(J) Net mWh Possible in Period	697,872	100.00%	693,408	100.00%
(K) Equivalent Availability (%)		99.05		99.40
(L) Output Factor (%)		99.32		100.04
(M) Heat Rate (BTU/NkWh)		10,282		10,617

*** Estimate**
FOOTNOTE: D and F Include Ramping Losses

Duke Energy Progress
Base Load Power Plant Performance Review Plan

December 2017
Harris Nuclear Station

	Unit 1	
(A) MDC (mW)	928	
(B) Period Hours	744	
(C) Net Gen (mWh) and Capacity Factor (%)	719,281	104.18
(D) Net mWh Not Gen due to Full Schedule Outages	0	0.00
* (E) Net mWh Not Gen due to Partial Scheduled Outages	0	0.00
(F) Net mWh Not Gen due to Full Forced Outages	0	0.00
* (G) Net mWh Not Gen due to Partial Forced Outages	-28,849	-4.18
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00
* (I) Core Conservation	0	0.00
(J) Net mWh Possible in Period	690,432	100.00%
(K) Equivalent Availability (%)		100.00
(L) Output Factor (%)		104.18
(M) Heat Rate (BTU/NkWh)		10,374

*** Estimate**
FOOTNOTE: D and F Include Ramping Losses

Duke Energy Progress
Base Load Power Plant Performance Review Plan

December 2017
Robinson Nuclear Station

	Unit 2	
(A) MDC (mW)	741	
(B) Period Hours	744	
(C) Net Gen (mWh) and Capacity Factor (%)	592,959	107.56
(D) Net mWh Not Gen due to Full Schedule Outages	0	0.00
* (E) Net mWh Not Gen due to Partial Scheduled Outages	0	0.00
(F) Net mWh Not Gen due to Full Forced Outages	0	0.00
* (G) Net mWh Not Gen due to Partial Forced Outages	-41,655	-7.56
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00
* (I) Core Conservation	0	0.00
(J) Net mWh Possible in Period	551,304	100.00%
(K) Equivalent Availability (%)		100.00
(L) Output Factor (%)		107.56
(M) Heat Rate (BTU/NkWh)		10,004

*** Estimate**
FOOTNOTE: D and F Include Ramping Losses

Duke Energy Progress
Base Load Power Plant
Performance Review Plan
December 2017

Lee Energy Complex

	Unit 1A	Unit 1B	Unit 1C	Unit ST1	Block Total
(A) MDC (mW)	223	222	223	379	1,047
(B) Period Hrs	744	744	744	744	744
(C) Net Generation (mWh)	146,472	146,446	147,531	269,622	710,071
(D) Capacity Factor (%)	88.28	88.66	88.92	95.62	91.16
(E) Net mWh Not Generated due to Full Scheduled Outages	0	0	0	0	0
(F) Scheduled Outages: percent of Period Hrs	0.00	0.00	0.00	0.00	0.00
(G) Net mWh Not Generated due to Partial Scheduled Outages	0	0	0	0	0
(H) Scheduled Derates: percent of Period Hrs	0.00	0.00	0.00	0.00	0.00
(I) Net mWh Not Generated due to Full Forced Outages	0	0	0	0	0
(J) Forced Outages: percent of Period Hrs	0.00	0.00	0.00	0.00	0.00
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	0	0	0
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.00	0.00	0.00
(M) Net mWh Not Generated due to Economic Dispatch	19,440	18,722	18,381	12,354	68,897
(N) Economic Dispatch: percent of Period Hrs	11.72	11.34	11.08	4.38	8.84
(O) Net mWh Possible in Period	165,912	165,168	165,912	281,976	778,968
(P) Equivalent Availability (%)	100.00	100.00	100.00	100.00	100.00
(Q) Output Factor (%)	88.28	88.66	88.92	95.62	91.16
(R) Heat Rate (BTU/NkWh)	8,994	9,013	8,938	4,117	7,134

Notes:

- Effective January 2017, a change in capacity rating methodology could impact performance trending against historical results reported prior to January 2017.
- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- (R) Includes Light Off BTU's

Duke Energy Progress
Base Load Power Plant
Performance Review Plan
December 2017

Richmond County Station

	Unit 7	Unit 8	Unit ST4	Block Total
(A) MDC (mW)	189	189	175	553
(B) Period Hrs	744	744	744	744
(C) Net Generation (mWh)	124,716	124,666	132,521	381,903
(D) Capacity Factor (%)	88.69	88.66	101.78	92.82
(E) Net mWh Not Generated due to Full Scheduled Outages	0	0	0	0
(F) Scheduled Outages: percent of Period Hrs	0.00	0.00	0.00	0.00
(G) Net mWh Not Generated due to Partial Scheduled Outages	0	0	0	0
(H) Scheduled Derates: percent of Period Hrs	0.00	0.00	0.00	0.00
(I) Net mWh Not Generated due to Full Forced Outages	0	0	0	0
(J) Forced Outages: percent of Period Hrs	0.00	0.00	0.00	0.00
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	0	0
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.00	0.00
(M) Net mWh Not Generated due to Economic Dispatch	15,900	15,950	0	31,850
(N) Economic Dispatch: percent of Period Hrs	11.31	11.34	0.00	7.74
(O) Net mWh Possible in Period	140,616	140,616	130,200	411,432
(P) Equivalent Availability (%)	100.00	100.00	100.00	100.00
(Q) Output Factor (%)	88.69	88.66	101.78	92.82
(R) Heat Rate (BTU/NkWh)	10,992	10,895	0	7,146

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Duke Energy Progress
Base Load Power Plant
Performance Review Plan
December 2017

Richmond County Station

	Unit 9	Unit 10	Unit ST5	Block Total
(A) MDC (mW)	214	214	248	676
(B) Period Hrs	744	744	744	744
(C) Net Generation (mWh)	143,190	144,082	186,375	473,647
(D) Capacity Factor (%)	89.93	90.49	101.01	94.17
(E) Net mWh Not Generated due to Full Scheduled Outages	0	0	0	0
(F) Scheduled Outages: percent of Period Hrs	0.00	0.00	0.00	0.00
(G) Net mWh Not Generated due to Partial Scheduled Outages	0	0	1,488	1,488
(H) Scheduled Derates: percent of Period Hrs	0.00	0.00	0.81	0.30
(I) Net mWh Not Generated due to Full Forced Outages	0	0	0	0
(J) Forced Outages: percent of Period Hrs	0.00	0.00	0.00	0.00
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	0	0
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.00	0.00
(M) Net mWh Not Generated due to Economic Dispatch	16,026	15,134	0	31,160
(N) Economic Dispatch: percent of Period Hrs	10.07	9.51	0.00	6.20
(O) Net mWh Possible in Period	159,216	159,216	184,512	502,944
(P) Equivalent Availability (%)	100.00	100.00	99.19	99.70
(Q) Output Factor (%)	89.93	90.49	101.01	94.17
(R) Heat Rate (BTU/NkWh)	11,257	11,161	0	6,798

Notes:

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Duke Energy Progress
Base Load Power Plant
Performance Review Plan
December 2017

Sutton Energy Complex

	Unit 1A	Unit 1B	Unit ST1	Block Total
(A) MDC (mW)	225	225	267	717
(B) Period Hrs	744	744	744	744
(C) Net Generation (mWh)	140,230	140,995	160,054	441,279
(D) Capacity Factor (%)	83.77	84.23	80.57	82.72
(E) Net mWh Not Generated due to Full Scheduled Outages	0	0	0	0
(F) Scheduled Outages: percent of Period Hrs	0.00	0.00	0.00	0.00
(G) Net mWh Not Generated due to Partial Scheduled Outages	0	0	0	0
(H) Scheduled Derates: percent of Period Hrs	0.00	0.00	0.00	0.00
(I) Net mWh Not Generated due to Full Forced Outages	0	0	0	0
(J) Forced Outages: percent of Period Hrs	0.00	0.00	0.00	0.00
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	0	0
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.00	0.00
(M) Net mWh Not Generated due to Economic Dispatch	27,170	26,405	38,594	92,169
(N) Economic Dispatch: percent of Period Hrs	16.23	15.77	19.43	17.28
(O) Net mWh Possible in Period	167,400	167,400	198,648	533,448
(P) Equivalent Availability (%)	100.00	100.00	100.00	100.00
(Q) Output Factor (%)	83.77	84.23	80.57	82.72
(R) Heat Rate (BTU/NkWh)	11,031	10,933	0	6,999

Notes:

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- (R) Includes Light Off BTU's

Duke Energy Progress
Intermediate Power Plant Performance
Review Plan
December 2017

		Mayo Station Unit 1
(A)	**MDC (mW)**	746
(B)	**Period Hrs**	744
(C)	**Net Generation (mWh)**	177,463
(D)	**Net mWh Possible in Period**	555,024
(E)	**Equivalent Availability (%)**	100.00
(F)	**Output Factor (%)**	59.73
(G)	**Capacity Factor (%)**	31.97

Notes:

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- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Intermediate Power Plant Performance
Review Plan
December 2017

		Roxboro Station		
		Unit 2	**Unit 3**	**Unit 4**
(A)	**MDC (mW)**	673	698	711
(B)	**Period Hrs**	744	744	744
(C)	**Net Generation (mWh)**	186,205	190,816	126,507
(D)	**Net mWh Possible in Period**	500,712	519,312	528,984
(E)	**Equivalent Availability (%)**	93.92	74.66	67.05
(F)	**Output Factor (%)**	65.68	62.41	59.79
(G)	**Capacity Factor (%)**	37.19	36.74	23.92

Notes:

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- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Base Load Power Plant Performance Review Plan

January 2017 - December 2017
Brunswick Nuclear Station

	Unit 1		Unit 2	
(A) MDC (mW)	938		932	
(B) Period Hours	8760		8760	
(C) Net Gen (mWh) and Capacity Factor (%)	8,179,118	99.54	7,191,037	88.08
(D) Net mWh Not Gen due to Full Schedule Outages	70,647	0.86	691,653	8.47
* (E) Net mWh Not Gen due to Partial Scheduled Outages	63,865	0.78	204,673	2.51
(F) Net mWh Not Gen due to Full Forced Outages	0	0.00	0	0.00
* (G) Net mWh Not Gen due to Partial Forced Outages	-96,750	-1.18	76,957	0.94
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00	0	0.00
* (I) Core Conservation	0	0.00	0	0.00
(J) Net mWh Possible in Period	8,216,880	100.00%	8,164,320	100.00%
(K) Equivalent Availability (%)		98.13		90.50
(L) Output Factor (%)		100.40		96.23
(M) Heat Rate (BTU/NkWh)		10,418		10,825

*** Estimate**
FOOTNOTE: D and F Include Ramping Losses

Duke Energy Progress
Base Load Power Plant Performance Review Plan

January 2017 - December 2017
Harris Nuclear Station

	Unit 1	
(A) MDC (mW)	928	
(B) Period Hours	8760	
(C) Net Gen (mWh) and Capacity Factor (%)	8,208,573	100.98
(D) Net mWh Not Gen due to Full Schedule Outages	0	0.00
* (E) Net mWh Not Gen due to Partial Scheduled Outages	98,814	1.22
(F) Net mWh Not Gen due to Full Forced Outages	48,550	0.60
* (G) Net mWh Not Gen due to Partial Forced Outages	-226,657	-2.80
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00
* (I) Core Conservation	0	0.00
(J) Net mWh Possible in Period	8,129,280	100.00%
(K) Equivalent Availability (%)		98.11
(L) Output Factor (%)		101.58
(M) Heat Rate (BTU/NkWh)		10,512

*** Estimate**
FOOTNOTE: D and F Include Ramping Losses

Duke Energy Progress
Base Load Power Plant Performance Review Plan

January 2017 - December 2017
Robinson Nuclear Station

Unit 2

(A) MDC (mW)	**741**	
(B) Period Hours	**8760**	
(C) Net Gen (mWh) and Capacity Factor (%)	**5,925,833**	**91.29**
(D) Net mWh Not Gen due to Full Schedule Outages	**746,940**	**11.51**
*** (E) Net mWh Not Gen due to Partial Scheduled Outages**	**314**	**0.00**
(F) Net mWh Not Gen due to Full Forced Outages	**0**	**0.00**
*** (G) Net mWh Not Gen due to Partial Forced Outages**	**-181,927**	**-2.80**
*** (H) Net mWh Not Gen due to Economic Dispatch**	**0**	**0.00**
*** (I) Core Conservation**	**0**	**0.00**
(J) Net mWh Possible in Period	**6,491,160**	**100.00%**
(K) Equivalent Availability (%)		**88.10**
(L) Output Factor (%)		**103.16**
(M) Heat Rate (BTU/NkWh)		**10,356**

*** Estimate**
FOOTNOTE: D and F Include Ramping Losses

Duke Energy Progress
Base Load Power Plant
Performance Review Plan
January, 2017 through December, 2017

Lee Energy Complex

	Unit 1A	Unit 1B	Unit 1C	Unit ST1	Block Total
(A) MDC (mW)	223	222	223	379	1,047
(B) Period Hrs	8,760	8,760	8,760	8,760	8,760
(C) Net Generation (mWh)	1,482,767	1,464,597	1,492,722	2,852,962	7,293,048
(D) Capacity Factor (%)	75.90	75.31	76.41	85.93	79.52
(E) Net mWh Not Generated due to Full Scheduled Outages	68,755	65,897	78,979	2,495	216,126
(F) Scheduled Outages: percent of Period Hrs	3.52	3.39	4.04	0.08	2.36
(G) Net mWh Not Generated due to Partial Scheduled Outages	264,098	255,117	257,351	139,721	916,288
(H) Scheduled Derates: percent of Period Hrs	13.52	13.12	13.17	4.21	9.99
(I) Net mWh Not Generated due to Full Forced Outages	6,099	0	3,219	78,504	87,821
(J) Forced Outages: percent of Period Hrs	0.31	0.00	0.16	2.36	0.96
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	0	8,070	8,070
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.00	0.24	0.09
(M) Net mWh Not Generated due to Economic Dispatch	131,761	159,109	121,209	238,288	650,367
(N) Economic Dispatch: percent of Period Hrs	6.74	8.18	6.20	7.18	7.09
(O) Net mWh Possible in Period	1,953,480	1,944,720	1,953,480	3,320,040	9,171,720
(P) Equivalent Availability (%)	82.65	83.49	82.62	93.11	86.61
(Q) Output Factor (%)	79.57	80.35	80.51	88.08	83.07
(R) Heat Rate (BTU/NkWh)	9,145	9,176	9,090	4,259	7,229

Notes:

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- (R) Includes Light Off BTU's

Duke Energy Progress
Base Load Power Plant
Performance Review Plan
January, 2017 through December, 2017

Richmond County Station

	Unit 7	Unit 8	Unit ST4	Block Total
(A) MDC (mW)	189	189	175	553
(B) Period Hrs	8,760	8,760	8,760	8,760
(C) Net Generation (mWh)	1,233,843	1,211,252	1,401,229	3,846,324
(D) Capacity Factor (%)	74.52	73.16	91.40	79.40
(E) Net mWh Not Generated due to Full Scheduled Outages	128,243	134,092	121,818	384,153
(F) Scheduled Outages: percent of Period Hrs	7.75	8.10	7.95	7.93
(G) Net mWh Not Generated due to Partial Scheduled Outages	167,848	170,417	30,001	368,267
(H) Scheduled Derates: percent of Period Hrs	10.14	10.29	1.96	7.60
(I) Net mWh Not Generated due to Full Forced Outages	403	10,338	747	11,488
(J) Forced Outages: percent of Period Hrs	0.02	0.62	0.05	0.24
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	4,456	4,456
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.29	0.09
(M) Net mWh Not Generated due to Economic Dispatch	125,303	129,541	0	229,592
(N) Economic Dispatch: percent of Period Hrs	7.57	7.82	0.00	4.74
(O) Net mWh Possible in Period	1,655,640	1,655,640	1,533,000	4,844,280
(P) Equivalent Availability (%)	82.09	80.98	89.76	84.14
(Q) Output Factor (%)	80.89	80.28	99.35	86.54
(R) Heat Rate (BTU/NkWh)	11,507	11,318	0	7,255

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- (R) Includes Light Off BTU's

Duke Energy Progress
Base Load Power Plant
Performance Review Plan
January, 2017 through December, 2017

Richmond County Station

	Unit 9	Unit 10	Unit ST5	Block Total
(A) MDC (mW)	214	214	248	676
(B) Period Hrs	8,760	8,760	8,760	8,760
(C) Net Generation (mWh)	1,416,732	1,442,282	1,923,780	4,782,794
(D) Capacity Factor (%)	75.57	76.94	88.55	80.77
(E) Net mWh Not Generated due to Full Scheduled Outages	155,910	144,746	169,508	470,164
(F) Scheduled Outages: percent of Period Hrs	8.32	7.72	7.80	7.94
(G) Net mWh Not Generated due to Partial Scheduled Outages	188,071	186,008	10,735	384,814
(H) Scheduled Derates: percent of Period Hrs	10.03	9.92	0.49	6.50
(I) Net mWh Not Generated due to Full Forced Outages	17,812	3,667	446	21,925
(J) Forced Outages: percent of Period Hrs	0.95	0.20	0.02	0.37
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	777	777
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.04	0.01
(M) Net mWh Not Generated due to Economic Dispatch	96,116	97,938	67,233	261,287
(N) Economic Dispatch: percent of Period Hrs	5.13	5.22	3.09	4.41
(O) Net mWh Possible in Period	1,874,640	1,874,640	2,172,480	5,921,760
(P) Equivalent Availability (%)	80.70	82.16	91.65	85.18
(Q) Output Factor (%)	83.52	83.57	96.07	88.17
(R) Heat Rate (BTU/NkWh)	11,469	11,387	0	6,831

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- (R) Includes Light Off BTU's

Duke Energy Progress
Base Load Power Plant
Performance Review Plan
January, 2017 through December, 2017

Sutton Energy Complex

	Unit 1A	Unit 1B	Unit ST1	Block Total
(A) MDC (mW)	225	225	267	717
(B) Period Hrs	8,760	8,760	8,760	8,760
(C) Net Generation (mWh)	1,434,854	1,432,582	1,722,272	4,589,708
(D) Capacity Factor (%)	72.80	72.68	73.64	73.07
(E) Net mWh Not Generated due to Full Scheduled Outages	62,929	66,514	114,356	243,799
(F) Scheduled Outages: percent of Period Hrs	3.19	3.37	4.89	3.88
(G) Net mWh Not Generated due to Partial Scheduled Outages	263,677	260,435	30,519	554,631
(H) Scheduled Derates: percent of Period Hrs	13.38	13.21	1.30	8.83
(I) Net mWh Not Generated due to Full Forced Outages	26,299	33,724	2,679	62,701
(J) Forced Outages: percent of Period Hrs	1.33	1.71	0.11	1.00
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	15,757	15,757
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.67	0.25
(M) Net mWh Not Generated due to Economic Dispatch	183,241	177,746	453,337	814,324
(N) Economic Dispatch: percent of Period Hrs	9.30	9.02	19.38	12.97
(O) Net mWh Possible in Period	1,971,000	1,971,000	2,338,920	6,280,920
(P) Equivalent Availability (%)	82.10	81.70	93.02	86.04
(Q) Output Factor (%)	77.98	78.10	77.79	77.95
(R) Heat Rate (BTU/NkWh)	11,351	11,273	0	7,067

Notes:

- Effective January 2017, a change in capacity rating methodology could impact performance trending against historical results reported prior to January 2017.
- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- (R) Includes Light Off BTU's

Duke Energy Progress
Intermediate Power Plant
Performance Review Plan
January, 2017 through December, 2017

Mayo Station

Units	Unit 1
(A) MDC (mW)	746
(B) Period Hrs	8,760
(C) Net Generation (mWh)	1,425,527
(D) Net mWh Possible in Period	6,534,960
(E) Equivalent Availability (%)	86.12
(F) Output Factor (%)	48.04
(G) Capacity Factor (%)	21.81

Notes:

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Duke Energy Progress
Intermediate Power Plant
Performance Review Plan
January, 2017 through December, 2017

Roxboro Station

Units	Unit 2	Unit 3	Unit 4
(A) MDC (mW)	673	698	711
(B) Period Hrs	8,760	8,760	8,760
(C) Net Generation (mWh)	1,644,072	2,207,141	1,291,580
(D) Net mWh Possible in Period	5,895,480	6,114,480	6,228,360
(E) Equivalent Availability (%)	90.41	87.44	59.78
(F) Output Factor (%)	62.23	56.73	61.42
(G) Capacity Factor (%)	27.89	36.10	20.74

Notes:

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- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Outages for 100 mW or Larger Units
December, 2017

Unit Name	Capacity Rating (mW)	Full Outage Hours		
		Scheduled	Unscheduled	Total
Brunswick 1	**938**	**0.00**	**0.00**	**0.00**
Brunswick 2	**932**	**0.00**	**0.00**	**0.00**
Harris 1	**928**	**0.00**	**0.00**	**0.00**
Robinson 2	**741**	**0.00**	**0.00**	**0.00**

Duke Energy Progress
Outages for 100 mW or Larger Units
December 2017

Unit Name	Capacity Rating (mW)	Full Outage Hours		Total Outage Hours
		Scheduled	Unscheduled	
Asheville Steam 1	192	0.00	0.00	0.00
Asheville Steam 2	192	0.00	10.22	10.22
Asheville CT 3	185	0.00	0.00	0.00
Asheville CT 4	185	0.00	0.00	0.00
Darlington CT 12	133	0.00	29.00	29.00
Darlington CT 13	133	24.00	0.00	24.00
Lee Energy Complex CC 1A	223	0.00	0.00	0.00
Lee Energy Complex CC 1B	222	0.00	0.00	0.00
Lee Energy Complex CC 1C	223	0.00	0.00	0.00
Lee Energy Complex CC ST1	379	0.00	0.00	0.00
Mayo Steam 1	746	0.00	0.00	0.00
Richmond County CC 1	183	0.00	8.02	8.02
Richmond County CC 2	183	166.42	3.52	169.93
Richmond County CC 3	185	1.92	0.00	1.92
Richmond County CC 4	186	1.92	0.00	1.92
Richmond County CC 6	179	0.00	0.00	0.00
Richmond County CC 7	189	0.00	0.00	0.00
Richmond County CC 8	189	0.00	0.00	0.00
Richmond County CC ST4	175	0.00	0.00	0.00
Richmond County CC 9	214	0.00	0.00	0.00
Richmond County CC 10	214	0.00	0.00	0.00
Richmond County CC ST5	248	0.00	0.00	0.00

Notes:

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Duke Energy Progress
Outages for 100 mW or Larger Units
December 2017

Unit Name	Capacity Rating (mW)	Full Outage Hours		Total Outage Hours
		Scheduled	Unscheduled	
Roxboro Steam 1	380	0.00	0.00	0.00
Roxboro Steam 2	673	16.00	29.22	45.22
Roxboro Steam 3	698	145.00	0.00	145.00
Roxboro Steam 4	711	77.00	0.00	77.00
Sutton Energy Complex CC 1A	225	0.00	0.00	0.00
Sutton Energy Complex CC 1B	225	0.00	0.00	0.00
Sutton Energy Complex CC ST1	267	0.00	0.00	0.00
Wayne County CT 10	192	0.00	0.85	0.85
Wayne County CT 11	192	0.00	1.77	1.77
Wayne County CT 12	193	0.00	0.00	0.00
Wayne County CT 13	185	0.00	0.00	0.00
Wayne County CT 14	197	0.00	0.00	0.00

Notes:

- Effective January 2017, a change in capacity rating methodology could impact performance trending against historical results reported prior to January 2017.
- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.